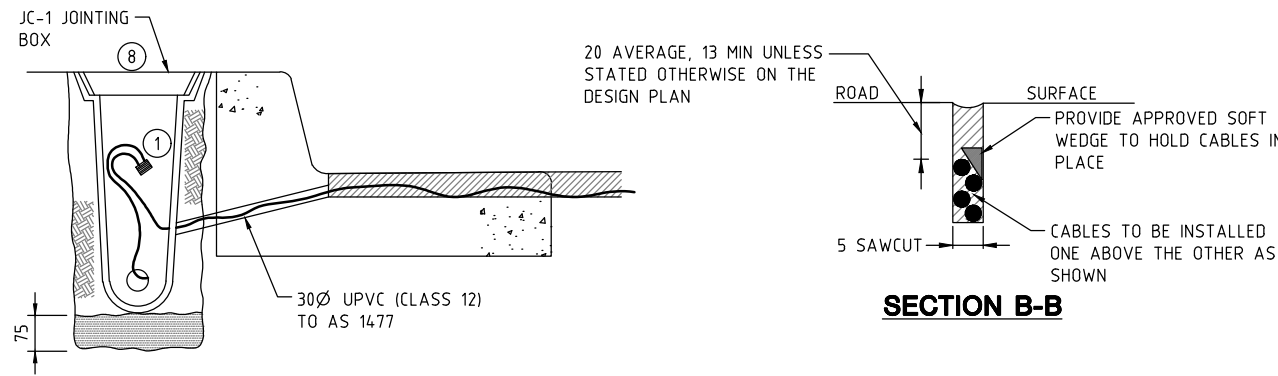
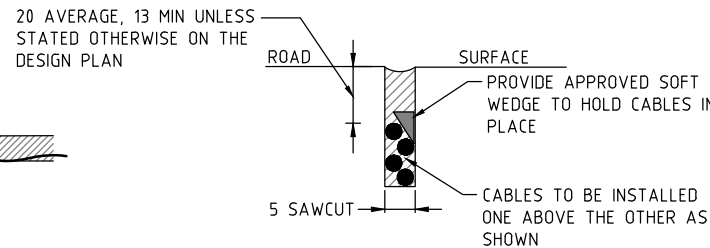


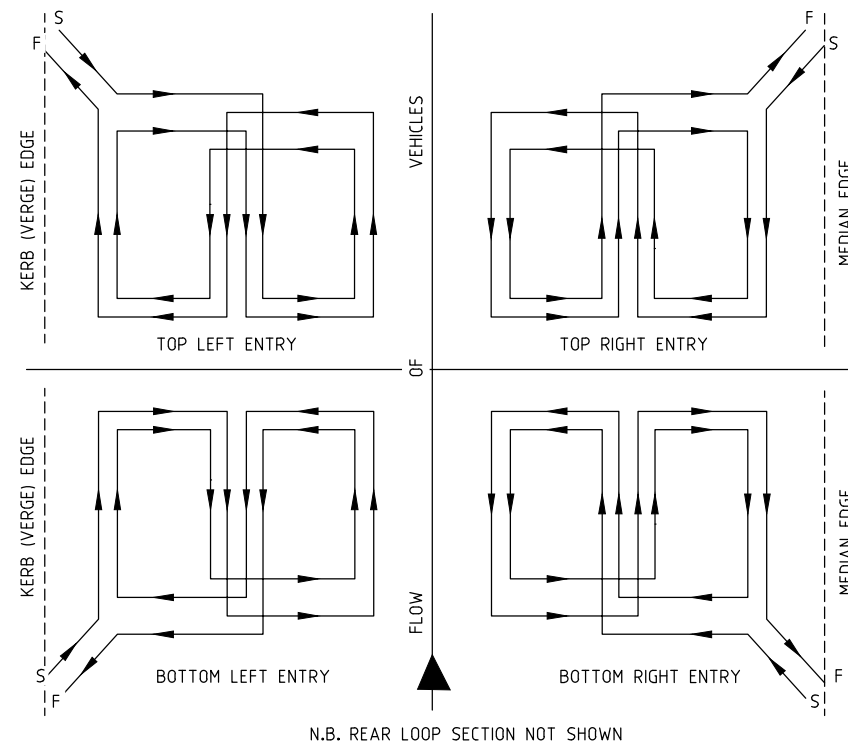
SECTION A-A UNSEALED SHOULDER



SECTION A-A SEALED SHOULDER



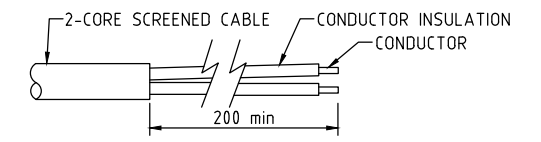
SECTION B-B



WIRING RULES:

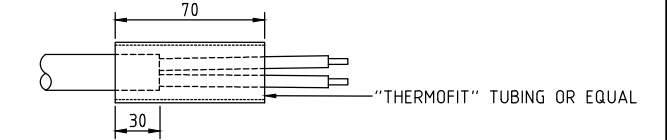
1. MARK "START" AT END OF CABLE.
2. ALWAYS START OFF IN A CLOCKWISE DIRECTION ON ENTRY FROM KERB.
3. ALWAYS CHANGE DIRECTION AT THE CENTRE (LONGITUDINAL) CUT TO MAKE "FIGURE 8" PATTERN.
4. ALWAYS FORM TWO "FIGURE 8" PATTERNS FOR EACH LOOP SECTION.
5. ALWAYS TWIST EACH TWO WIRES WITH ONE TWIST PER 100mm LENGTH OF LOOP

STEP 1



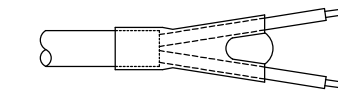
CUT BACK OUTER INSULATION AND METAL SCREEN AS REQUIRED TO REVEAL THE TWO CORES AND CLEAN WITH TRICHLOROETHANE CABLE CLEANING SOLUTION

STEP 2



SLIP 70 LENGTH OF APPROVED THERMOFIT HEAT SHRINKABLE POLYMERIC PRODUCT EQUAL TO RAYCHEM "THERMOFIT" ATUM 19/6 OVER THE CRUTCH AREA OF THE CABLE OR EQUIVALENT RESINCORE HEAT SHRINK

STEP 3



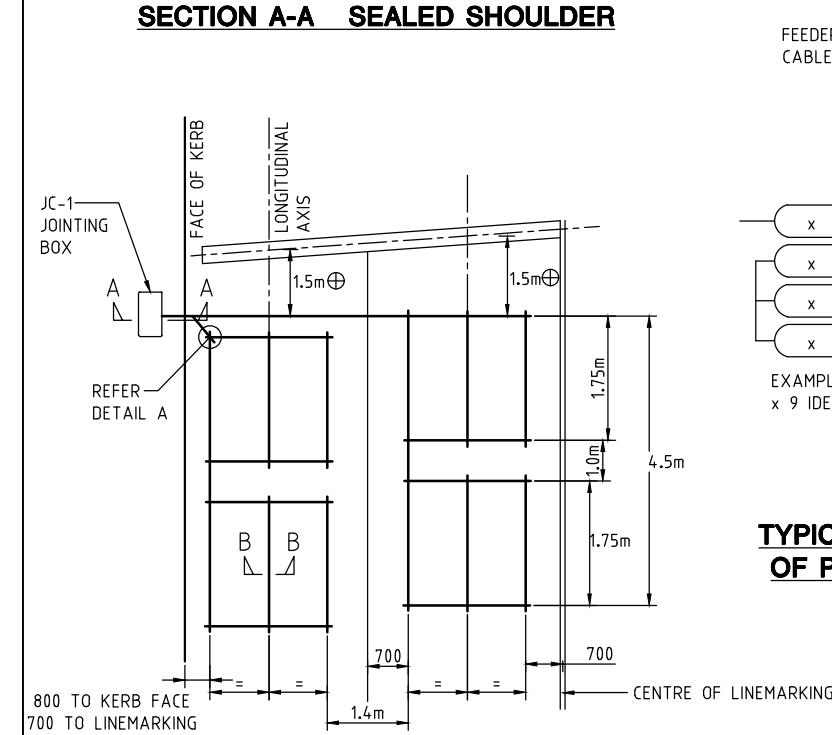
APPLY HEAT BY CONSTANTLY MOVING OVER THE TUBING SURFACE TO SHRINK AND CONFORM TUBING TO THE CABLE WHILST THE TUBING IS STILL VERY HOT. THE CRUTCH AREA IS TO BE SPREAD AND NIPPED WITH A PAIR OF POINTED NOSE PLIERS TO FORM THE "WEB" BETWEEN THE TWO CONDUCTORS. CARE IS TO BE TAKEN NOT TO DAMAGE THE CABLE CORES AND THE INSULATION WHEN FORMING THE "WEB".

NOTE: ABOVE APPLICATION IS SHOWN AS A TYPICAL EXAMPLE OTHER METHODS TO BE SUBJECT TO PRIOR APPROVAL BY THE ROAD AUTHORITY.

METHOD OF PROTECTION FOR 2-CORE SCREENED DETECTOR FEEDER CABLE

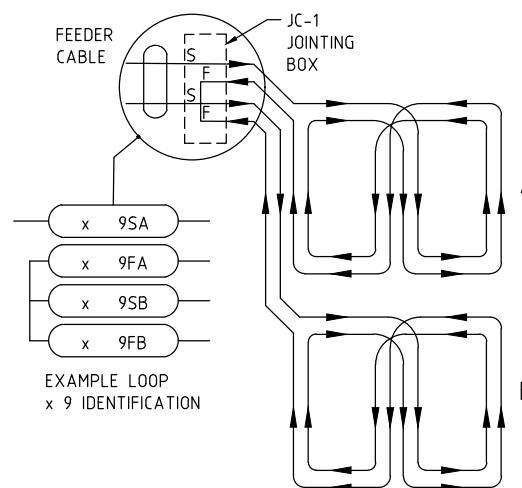
NOTES:

1. LOOP DETECTOR CABLE AND FEEDER CABLE SHALL BE JOINTED AND SWEATED IN JC-1 PITS (AS ABOVE). EACH JOINT SHALL BE SEPARATELY INSULATED WITH A 1/4" PD CAP APPROVED THERMOFIT HEAT SHRINKABLE POLYMERIC PRODUCT EQUAL TO RAYCHEM "THERMOFIT" ATUM 19/6 RAYCHEM (SEE DETAIL ABOVE).
2. LOOP FEEDER CABLE SHALL COMPLY WITH A.S. 2276, PART 2.
3. LOOP CABLE SHALL COMPLY WITH A.S. 2276, PART 3.
4. LOOPS USED FOR CATSS STRATEGIC DETECTORS MAY BE INSTALLED UP TO 5m FROM THE STOP LINE (EXCEPT FOR NON-LOCK AND PRESENCE TIMED DETECTORS) WHERE ROAD PAVEMENT CONDITION NEAR THE STOP LINE IS UNSATISFACTORY.
5. ALL LOOP CABLE ENDS TO BE LABELED START (S) AND FINISH (F) (WITH HELAGRIP CABLE MARKERS HG2-5 OR EQUIVALENT) AND NUMBERED AS PER THE CABLE INSTALLATION i.e. FROM FRONT TO REAR, LEFT TO RIGHT IN NUMERICAL ORDER REGARDLESS OF PHASE OR JC-1 JOINTING BOX POSITION.
6. ALL FEEDER CABLES TO BE LABELED (HELAGRIP HG4-9 OR APPROVED EQUIVALENT) AT EACH END AS PER DESIGN PLAN (i.e. 1,2,3,ETC)
7. THE LOOP CABLE SHALL BE CONTINUOUS (i.e. NO JOINTS PERMITTED) BETWEEN F AND S.
8. ALL LOOP CABLE LEADS SHALL RETURN TO A JC-1 JOINTING BOX IN THE VERGE (OR MEDIAN GREATER THAN 2.0m WIDE) EXCEPT ON AN APPROACH WITH FOUR OR MORE LANES WHERE THE LOOPS IN THE TWO MEDIAN LANES SHALL BE RETURNED TO A JC-1 JOINTING BOX IN THE MEDIAN
9. ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE SHOWN
10. PREFORMED LOOPS MAY BE INSTALLED WITH THE APPROVAL OF THE ROAD AUTHORITY

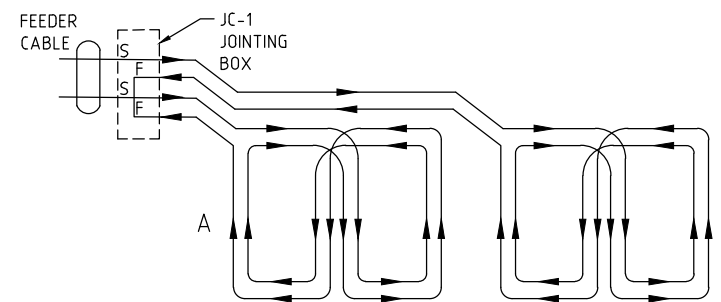


PRESENCE DETECTOR LOOPS

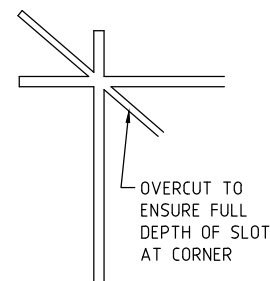
⊕ DISTANCE 1.5m FROM CENTRE OF STOPLINE UNLESS OTHERWISE STATED ON DESIGN PLAN



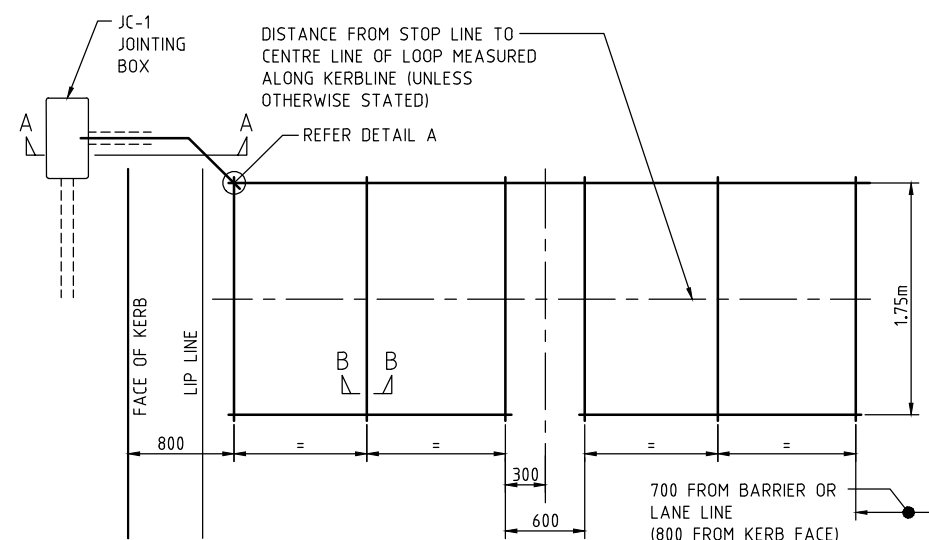
TYPICAL CONNECTION AND WIRING OF PRESENCE DETECTOR LOOPS



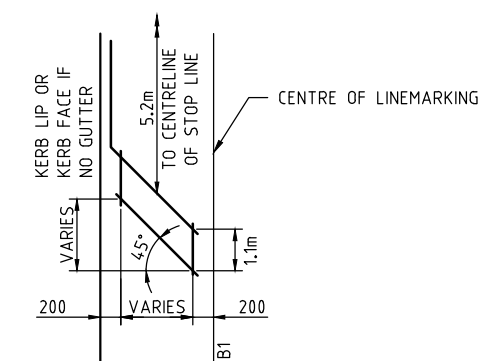
TYPICAL CONNECTION AND WIRING OF PASSAGE DETECTOR LOOPS



DETAIL A TYPICAL SAW-CUT AT CORNER



PASSAGE DETECTORS



CYCLE SCOOT LOOP

ACT
Government
STANDARD DRAWING

**TRAFFIC SIGNALS
INSTALLATION OF
LOOP DETECTORS**

Authorised: <i>[Signature]</i>		
Latest Revision Details		
1	WIRING RULES ADDED	19-12-18
0	BASED ON ACTPW DRG S/803/1	05-04-17
Rev	Amendment	Date
Drawing No. ACTSD-3911		Revision 1